


  
1201466 - R8 SDMS


RE: response  
Joan Card  
to:  
Kathryn Hernandez  
05/23/2011 03:04 PM  
Cc:  
Mia Bearley  
Hide Details  
From: Joan Card <joan.card@parkcity.org>

To: Kathryn Hernandez/R8/USEPA/US@EPA

Cc: Mia Bearley/R8/USEPA/US@EPA

Got it. Thanks.

**From:** Hernandez.Kathryn@epamail.epa.gov [mailto:Hernandez.Kathryn@epamail.epa.gov]  
**Sent:** Monday, May 23, 2011 2:59 PM  
**To:** Joan Card  
**Cc:** bearley.mia@epa.gov  
**Subject:** response  
**Importance:** High

We should be consistent with what we are holding the UT Voluntary Cleanup Program participants too.

- Grab samples
- Soil analysis for lead and arsenic

This is the table of screening values we are using for the VCP:

<i>Heavy Metals</i>	<i>SOIL</i>	<i>SEDIMENT</i>	<i>SURFACE WATER</i>	<i>Ground Water with direct influence on Surface</i>	<i>GROUND WATER Drinking Water purposes</i>

				<i>Water</i>	
<b>Pb</b>	<b>500 mg/kg</b>	<b>310 mg/kg</b>	<b>2.50 µg/L</b>	<b>2.50 µg/L</b>	<b>15.0 µg/L</b>
<b>As</b>	<b>100 mg/kg</b>		<b>150 µg/L</b>	<b>150 µg/L</b>	<b>10.0 µg/L</b>
<b>Zn</b>			<b>118 µg/L</b>	<b>118 µg/L</b>	<b>5000.0* µg/L</b>
<b>Cd</b>			<b>0.250 µg/L</b>	<b>0.250 µg/L</b>	<b>5.0 µg/L</b>
<b>NOTES:</b>	Soil Samples: 0 – 2" Surface 2 – 12" Subsurface	Use Sediment value when sampling in irrigation ditches, drainages, and any wetland areas	Conservative Hardness value in LSC Surface Water = 100 mg/L		Drinking Water Maximum Contaminant Levels *Zinc does not have an MCL but a Secondary Maximum Contaminant Level

Kathryn Hernandez  
USEPA, Region VIII (8EPR-SR)  
1595 Wynkoop Street  
Denver, CO 80202  
(303) 312-6101 (office)  
(720) 352-7497 (cell)



RE: SR-248 project

Joan Card

to:

Mia Bearley

05/23/2011 11:04 AM

Cc:

Kathryn Hernandez, Matthew Cohn, tdaley

Hide Details

From: Joan Card <joan.card@parkcity.org>

To: Mia Bearley/R8/USEPA/US@EPA

Cc: Kathryn Hernandez/R8/USEPA/US@EPA, Matthew Cohn/R8/USEPA/US@EPA,  
<tdaley@parkcity.org>

1 Attachment



image001.gif

Mia et al., we've begun the work to get you the information you've requested. We'll send it along when ready.

Kathy, as for soil sampling, are you looking for grabs or composites? Is Total Lead analysis adequate?

Joan

Joan Card

Environmental Regulatory Affairs Manager

Park City Municipal Corporation

445 Marsac Ave

P.O. Box 1480

Park City, UT 84060-1480

T. (435) 615-5153

F. (435) 615-4901

E. Joan.Card@parkcity.org



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**From:** Bearley.Mia@epamail.epa.gov [<mailto: Bearley.Mia@epamail.epa.gov>]  
**Sent:** Thursday, May 19, 2011 12:50 PM  
**To:** Joan Card  
**Cc:** Hernandez.Kathryn@epamail.epa.gov; Cohn.Matthew@epamail.epa.gov  
**Subject:** SR-248 project

Hi Joan. Please find our thoughts based on the info provided yesterday. The referenced map is attached to an email that will immediately follow this one.

Thanks.

=



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

May 19, 2011

**Via email and first class mail**

Joan Card  
Environmental Regulatory Affairs Manager  
Park City Municipal Corporation  
445 Marsac Avenue  
P.O. Box 1480  
Park City, Utah 84060-1480

Re: Richardson Flats SR-248 Intersection Improvement Project

We have reviewed the information provided by Park City in an email dated May 18, 2011. Your email contained a summary of the proposed project improvements and provided the linear zones of disturbance from the intersection. However, to determine if the current remedial activities will be impacted from the construction, additional design drawings are required. Detailed drawings must show where lanes will be added and how SR-248 and Richardson Flats Road will be widened.

The following bullets comprise EPA's initial comments regarding the information transmitted by Park City on May 18, 2011:

- Information provided does not indicate whether contaminated soil was used as fill material during construction of the original road. If contamination underlies the existing road, planned construction activities for the eastern leg of Richardson Flats Road could disturb such contaminated soil/tailings.
- Information does not allow a determination of how the Homer Pace Irrigation Ditch will be affected by construction activities.
- Information does not allow a determination of how construction activities will encroach toward or potentially impact the Silver Creek floodplain.
- Depending on the actual construction activities, it is possible that the Middle Reach could be impacted. Please find, attached to this letter's transmittal email, the flood plain tailings map for the Middle Reach that you requested in your May 18, 2011 email.
- EPA suggests that an appropriate number of soils samples be collected and analyzed within the proposed Zone of Disturbance in the South East quadrant of the intersection. This will confirm the presence or absence of contaminated soils/tailings materials in this area. If contamination is found, then additional alternative intersection designs or remediation may be required.




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- EPA requests a complete set of design documents for this project in order to fully evaluate the potential impacts to the Silver Creek Watershed and its associated remedial activities.

We look forward to receiving the additional information indicated above at your earliest convenience. Thank you for your attention to this matter.

Sincerely,

Original signed 

Mia Bearley  
Legal Enforcement Program

SR-248 project

Mia Bearley

to:

joan.card

05/19/2011 12:50 PM

Cc:

Kathryn Hernandez, Matthew Cohn

Hide Details

From: Mia Bearley/R8/USEPA/US

To: joan.card@parkcity.org

Cc: Kathryn Hernandez/R8/USEPA/US@EPA, Matthew Cohn/R8/USEPA/US@EPA

1 Attachment



Document.pdf

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May 19, 2011

**Via email and first class mail**

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445 Marsac Avenue  
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Sincerely,

Original signed

Mia Bearley  
Legal Enforcement Program

Map

Mia Bearley

to:

joan.card

05/19/2011 12:50 PM

Cc:

Kathryn Hernandez, Matthew Cohn

Hide Details

From: Mia Bearley/R8/USEPA/US

To: joan.card@parkcity.org

Cc: Kathryn Hernandez/R8/USEPA/US@EPA, Matthew Cohn/R8/USEPA/US@EPA

1 Attachment




Final OU3 Map\_11-17-10.pdf

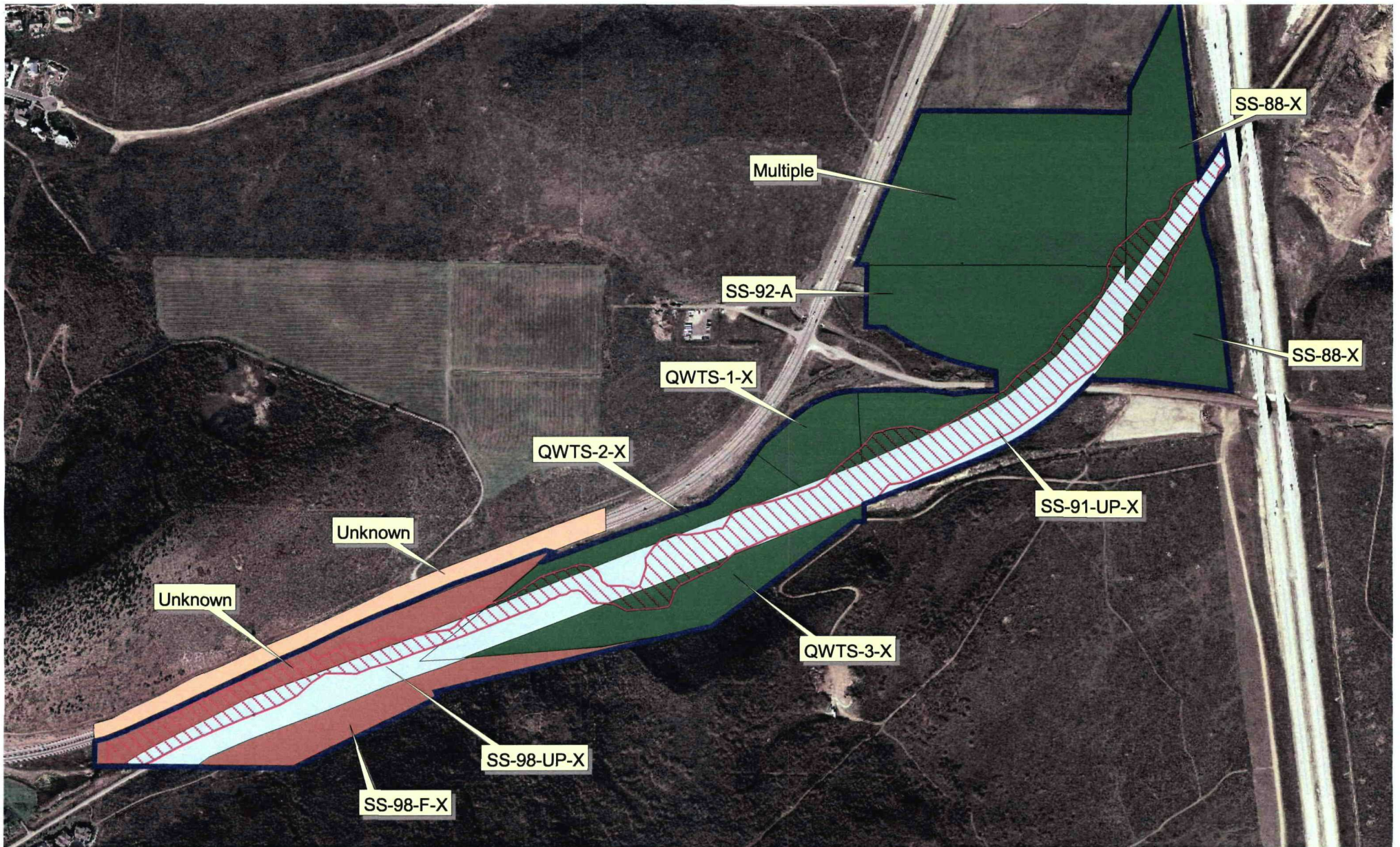
Per your request. Thanks.









 LSC\_MR\_OU3\_Boundary  
 Middle Reach OU3 tailings

0 0.1 0.2 0.3 0.4 0.5 Miles





-  LSC\_MR\_OU3\_Boundary
-  Middle Reach OU3 tailings
- OU3 middle reach parcels
-  BLM
-  Park City
-  Rail Trail
-  UT RT 240 ROW





Hwy 248 Project

Joan Card

to:

Kathryn Hernandez

05/18/2011 09:35 AM

Cc:

Mia Bearley, tdaley, Kent Cashel, Jason Christensen

Hide Details

From: Joan Card <joan.card@parkcity.org>

To: Kathryn Hernandez/R8/USEPA/US@EPA

Cc: Mia Bearley/R8/USEPA/US@EPA, <tdaley@parkcity.org>, Kent Cashel <cashel@parkcity.org>, Jason Christensen <jason.christensen@parkcity.org>

## 2 Attachments



image001.gif SR-248-Richardson Flat Road Intersection Project Area.pdf

Kathy: Please see the attached brief narrative description of the road project and a map indicating both the limits of the project and limits of disturbance, which are a bit narrower. As we discussed on the phone call, we're hoping to stay on our tight timeline for construction this short season and we appreciate your turning your attention to this as soon as possible. Obviously, let us know if we can answer any questions to facilitate your review.

Also, it would be useful if you could provide us a flood plain tailings map for the Middle Reach, if such a map is available.

Thanks.

Joan

Joan Card

Environmental Regulatory Affairs Manager

Park City Municipal Corporation

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P.O. Box 1480  
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### **Richardson Flat Road & SR-248 Intersection Improvement Project**

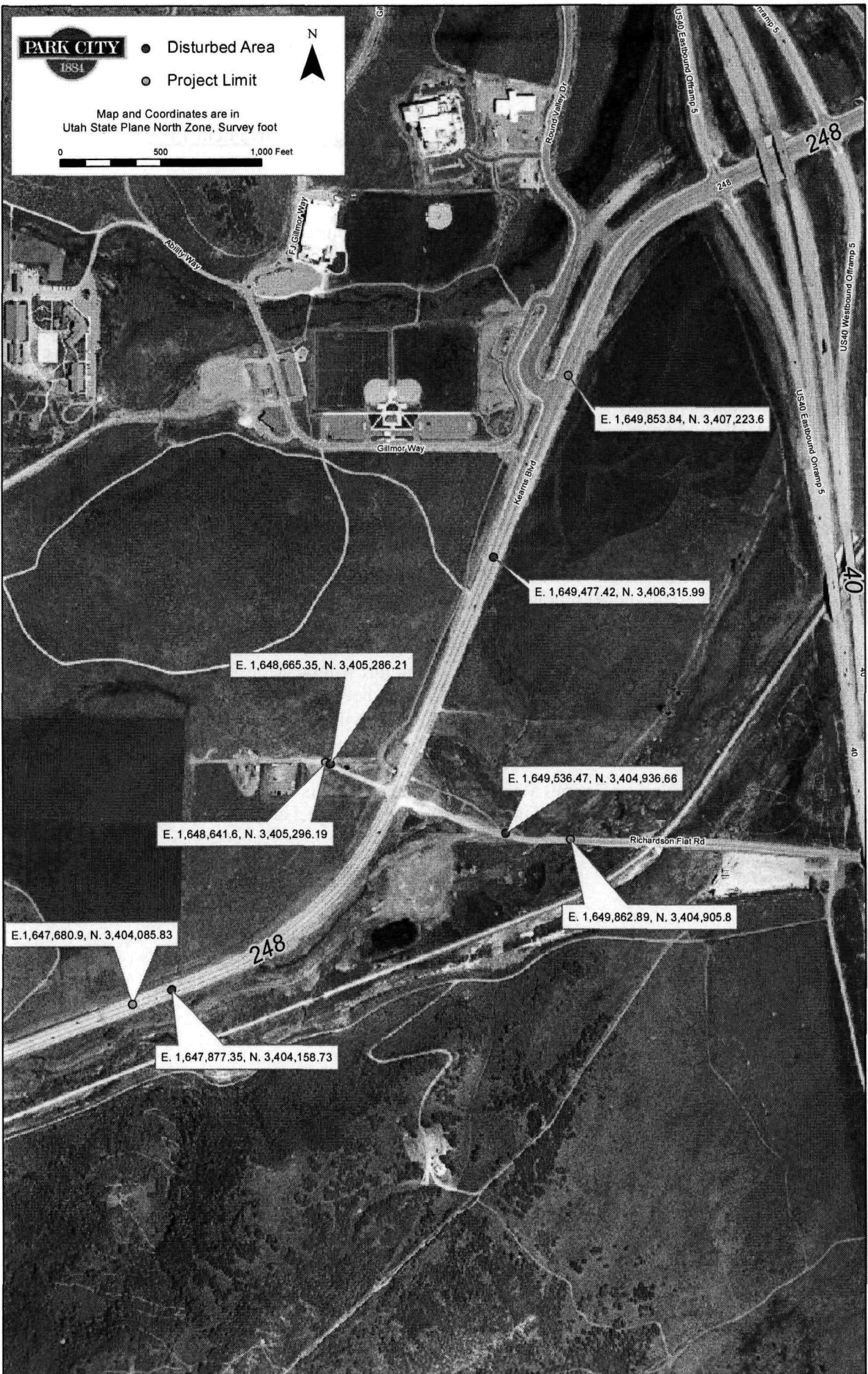
This project is an intersection improvement project that includes:

- Underground conduits and boxes for future signalized intersection at SR-248-Richardson Flat Road.
- Roadway widening for approximately 3000 feet on SR-248 to accommodate acceleration and deceleration lanes.
- Full depth reconstruction and roadway widening of Richardson Flat Road for approximately 1000 feet.
- Extending an existing box culvert (on SR-248) 20' to the Northwest
- Modification of existing storm drainage along SR-248 to accommodate roadway widening.

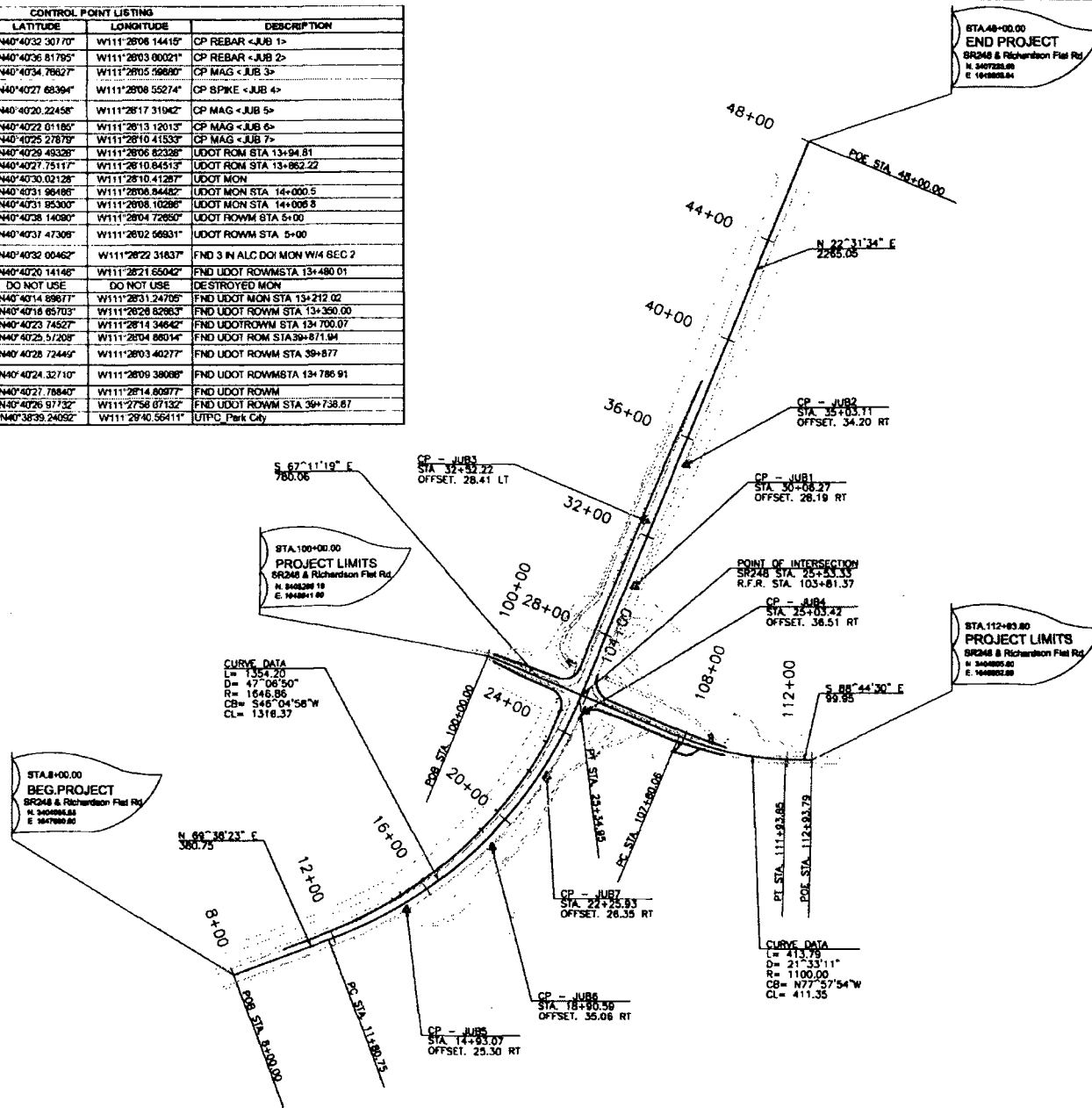
The area of disturbance is identified on the map contained in page 2 of this document. This map contains two zones. Each of these zones is identified by green or blue points located on SR-248 and Richardson Flat Road. Coordinates have been provided for these points to allow for more accurate plotting of their locations.

1. Zone of Disturbance (Green Points). The area between the green points and the intersection where pavement surface and dirt will be disturbed.
2. Project Limit Zone (Blue Points): The area between the Blue and Green Points is an area where dirt and existing road surface will not be disturbed but where work such as lane striping will take place on the existing pavement.

This map with Survey Control Map found on page 3 of this document should provide the reader with a clear and accurate understanding of the project area.



CONTROL POINT LISTING					
NAME	NORTHING	EASTING	ELEVATION	LATITUDE	LONGITUDE
1	340555.89	1649192.7	6988.981	N40°40'32" 301.70"	W111°28'06" 144.15"
2	3406012.55	1649386.6	6980.703	N40°40'35" 81.795"	W111°28'03" 00.021"
5191	3405804.8	16480234.6	6985.989	N40°40'34" 76.627"	W111°28'05" 59.697"
5192	3405807.74	1648007.2	6986.987	N40°40'27" 68.994"	W111°28'08" 55.274"
5	3404332.36	1648331.8	6706.198	N40°40'20" 22.458"	W111°28'17" 31.942"
6	3404574.14	1648555.4	6703.525	N40°40'22" 01.185"	W111°28'13" 12.013"
7	3404844.2	1648863.7	6700.572	N40°40'25" 27.879"	W111°28'10" 41.533"
101	3405270.95	1649140.5	6695.683	N40°40'29" 49.328"	W111°28'06" 82.238"
103	3405094.49	1648845.9	6701.35	N40°40'27" 75.117"	W111°28'10" 84.513"
105	3405324.31	1648863.8	6694.752	N40°40'30" 02.128"	W111°28'10" 41.287"
106	3405521.11	1648984.5	6695.59	N40°40'31" 96.485"	W111°28'08" 84.482"
107	3405519.93	1649041.7	6693.88	N40°40'31" 85.300"	W111°28'08" 10.286"
108	3406146.45	1649301.6	6681.482	N40°40'38" 14.080"	W111°28'04" 72.950"
109	3406076.91	1649408	6678.830	N40°40'37" 47.309"	W111°28'02" 56.931"
114	3405524.78	1647948.1	6733.15	N40°40'32" 00.462"	W111°28'22" 31.837"
120	3404323.84	1647997.9	6723.451	N40°40'20" 14.146"	W111°28'21" 55.042"
121	3403835.37	1647511.6	6696.638	DO NOT USE	DO NOT USE
122	3403792.87	1647258.4	6691.495	N40°40'14" 09.677"	W111°28'31" 34.765"
124	3404173.44	1647598.8	6723.532	N40°40'18" 05.703"	W111°28'28" 82.863"
5628	3404680.85	1648980.8	6719.361	N40°40'23" 74.527"	W111°28'14" 34.462"
5630	3404874.05	1649290.4	6681.722	N40°40'25" 57.208"	W111°28'04" 88.014"
5631	3405193.22	1649404.1	6695.825	N40°40'28" 72.445"	W111°28'03" 40.277"
5632	3404747.89	1648943.5	6677.183	N40°40'24" 32.710"	W111°28'09" 38.085"
5633	3405068.15	1648524.9	6720.583	N40°40'27" 78.407"	W111°28'14" 80.877"
5638	3405016.49	1648768.9	6652.849	N40°40'26" 97.732"	W111°27'58" 87.132"
11112	3384108.06	1641918	7134.378	N40°38'39" 24.052"	W111°29'40" 56.411"



STA 48+00.00  
END PROJECT  
SR-248 & Richardson Flat Rd  
N 3407281.89  
E 1648808.84

STA 100+00.00  
PROJECT LIMITS  
SR-248 & Richardson Flat Rd  
N 3406281.19  
E 1648841.89

STA 8+00.00  
BEG. PROJECT  
SR-248 & Richardson Flat Rd  
N 3404868.86  
E 1647989.80

STA 112+00.00  
PROJECT LIMITS  
SR-248 & Richardson Flat Rd  
N 3404868.86  
E 1648808.84

**JUB ENGINEERS, INC.**  
Lake Pointe Corporate Centre  
2875 South Dacker Lane Drive  
Salt Lake City, Utah 84119  
Phone: 801.588.2022  
Fax: 801.588.1123  
www.jub.com

PRELIMINARY PLANS	NOT FOR CONSTRUCTION
SURVEY CONTROL	

**SR-248 AND RICHARDSON FLAT ROAD  
PARK CITY MUNICIPAL CORPORATION**

SHEET NUMBER  
**V-101**